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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/092,799	03/08/2002	Chihiro Tsukinokizawa	112170	3403

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EXAMINER

HUNTSINGER, PETER K

ART UNIT PAPER NUMBER

2624

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/092,799

Applicant(s)

TSUKINOKIZAWA, CHIHIRO

Examiner

Peter K. Huntsinger

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/9/03, 10/12/04.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Suzuki et al. Patent 6,046,718.

Referring to claim 1, Suzuki et al. disclose an image display system, comprising: an image supply apparatus that supplies video data via a predetermined communication interface in response to a printing instruction (personal computer 10 of Fig. 1, col. 8, lines 24-29); and an image display apparatus that receives the video data from the image supply apparatus via the predetermined communication interface and displays an image expressed by the video data (projector apparatus 12 of Fig. 1, col. 8, lines 31-48), the image supply apparatus comprising: an image generation module that

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generates first video data representing an image of interest to be printed, in response to the printing instruction (driver module 17 of Fig. 4A, col. 9-10, lines 65-67, 1-5); and a video data conversion processing module that receives the generated first video data, converts the first video data into second video data in a specific format that is receivable by the image display apparatus, and transmits the converted second video data via the predetermined communication interface (compressing unit 22 of Fig. 4A, col. 10, lines 5-11), the image display apparatus comprising: a video data receiving and processing module that receives the second video data via the predetermined communication interface and converts the received second video data into third video data in a specified displayable format (decoding unit 42 of Fig. 4B, col. 10, lines 44-48); and an image display module that displays an image corresponding to the converted third video data (drive controller 48 of Fig. 4B, col. 10, lines 48-50).

Referring to claim 3, Suzuki et al. disclose an image display apparatus that displays an image expressed by video data, which is supplied from an image supply apparatus via a predetermined communication interface in response to a printing instruction (personal computer 10 of Fig. 1, col. 8, lines 24-29), the image display apparatus comprising: a video data receiving and processing module that receives the video data, which has been transmitted from the image supply apparatus to the image display apparatus via the predetermined communication interface in response to the printing instruction, and converts the received video data into video data in a specified displayable format (decoding unit 42 of Fig. 4B, col. 10, lines 44-48); and an image display module that displays an image corresponding to the video data converted by the

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video data receiving and processing module (drive controller 48 of Fig. 4B, col. 10, lines 48-50).

Referring to claim 4, Suzuki et al. disclose an image display apparatus in accordance with claim 3, the image display apparatus being a projector having a projection display function, which causes the image display module to project an image (projector apparatus 12 of Fig. 1, col. 8, lines 31-48).

Referring to claim 5, Suzuki et al. disclose an image display method that causes video data to be supplied from an image supply apparatus via a predetermined communication interface in response to a printing instruction and causes an image display apparatus to display an image expressed by the supplied video data, the image display method comprising the steps of: (a) causing the image supply apparatus to generate first video data representing an image of interest to be printed, in response to the printing instruction (col. 9-10, lines 65-67, 1-5); (b) causing the image supply apparatus to receive the generated first video data and convert the first video data into second video data in a specific format that is receivable by the image display apparatus (col. 10, lines 5-11); (c) causing the image supply apparatus to transmit the converted second video data to the image display apparatus via the predetermined communication interface (col. 10, lines 9-11); (d) causing the image display apparatus to receive the second video data via the predetermined communication interface and convert the received second video data into third video data in a specified displayable format (col. 10, lines 44-48); and (e) causing the image display apparatus to display an image corresponding to the converted third video data (col. 10, lines 48-50).

Referring to claim 6, Suzuki et al. disclose a computer program product that is used to supply video data to an image display apparatus via a predetermined communication interface in response to a printing instruction; the computer program product comprising: a first program code functioning to convert first video data, which is generated in response to the printing instruction and represents an image of interest to be printed, into second video data in a specific format that is receivable by the image display apparatus (col. 10, lines 5-11); a second program code functioning to transmit the second video data to the image display apparatus via the predetermined communication interface (col. 10, lines 9-11); and a computer readable medium in which the first program code and the second program code are recorded (col. 9, lines 54-56).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. Patent 6,046,718, as applied to claim 1, and in further view of Abali et al. Patent 6,317,114.

Referring to claim 2, Suzuki et al. disclose the image display system comprising a plurality of the image display apparatuses (projector apparatus 12 of Fig. 1, col. 8,

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lines 31-48) (LCD 10-1 of Fig. 1, col. 8, lines 27-31), the image supply apparatus comprising: a video data conversion processing module corresponding to the an image display apparatus (compressing unit 22 of Fig. 4A, col. 10, lines 5-11), in the image supply apparatus, the video data conversion processing module corresponding to one image display apparatus selected among the plurality of image display apparatuses receives the first video data generated in response to the printing instruction, converts the received first video data into second video data in a specific format that is receivable by the selected image display apparatus, and transmits the converted second video data to the selected image display apparatus via the predetermined communication interface (col. 10, lines 5-11). Suzuki et al. do not disclose expressly a video data conversion processing module for the LCD monitor. Abali et al. disclose a video data conversion processing module corresponding to the an image display apparatus (graphics driver 61 of Fig. 6B, col. 6, lines 20-25), in the image supply apparatus, the video data conversion processing module corresponding to one image display apparatus selected among the plurality of image display apparatuses receives the first video data generated in response to the printing instruction, converts the received first video data into second video data in a specific format that is receivable by the selected image display apparatus, and transmits the converted second video data to the selected image display apparatus via the predetermined communication interface (col. 6, lines 20-25). Suzuki et al. and Abali et al. are combinable because they are from the same field of image processing. At the time of the invention, it would have been obvious to one of ordinary skill in the art to utilize a graphics driver with a monitor. The motivation

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for doing so would have been to instruct a monitor for displaying image data. Further, a graphics driver is required for a computer monitor to function. Therefore, it would have been obvious to combine Abali et al. and Suzuki et al. to obtain the invention as specified in claim 2.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter K. Huntsinger whose telephone number is (571)272-7435. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PKH


GABRIEL GARCIA
PRIMARY EXAMINER